4°

Tue Jun 05 13:06:15 2001

IESNA:LM-63-1995
Photopia 1.5.0.20 PHOTOMETRIC REPORT
PROJECT: V22_T5_B
OPTIONS:
  Spawning 1 rays for each reaction.
  Writing 250 rays to a DXF file.
  Random number generator seed: 8.
  Tracing 50 reflections.
  Stop tracing ray at 2.0% of initial magnitude.
  Tracing 499982 initial lamp rays.
  Photometric test distance of 20.00 feet.

LUMENS EXITING SYSTEM:

Lumens(%)		Reflection
309(	5.6%)	0
481(	8.8%)	1
482(	8.8%)	2
406(	7.4%)	3
370(	6.7%)	4
306(	5.6%)	5
266(	4.8%)	6
225(	4.1%)	7
194(	3.5%)	8
167(	3.0%)	9
145(	2.6%)	10
124(	2.3%)	11
108(	2.0%)	12
93(	1.7%)	13
81(	1.5%)	14
70(	1.3%)	15
61(	1.1%)	16
54(	1.0%)	17
46(	0.8%)	18
40(	0.7%)	19
35(	0.7%)	20
30(	0.6%)	21
26(	0.5%)	22
23(	0.4%)	23
19(	0.4%)	24
18(	0.3%)	25
15(	0.3%)	26
13(	0.2%)	27
11(	0.2%)	28
10(	0.2%)	29
9(	0.2%)	30
8(	0.1%)	31
6(	0.1%)	32
5(	0.1%)	33
5(	0.1%)	34
4(	0.1%)	35
3(	0.1%)	36
3(	0.1%)	37
2(	0.1%)	38
2(	0.0%)	39
2(	0.0%)	40

```
        1(   0.0%)       41
        1(   0.0%)       42
        1(   0.0%)       43
        1(   0.0%)       44
        1(   0.0%)       45
        0(   0.0%)       46
        0(   0.0%)       47
        0(   0.0%)       48
        0(   0.0%)       49
        0(   0.0%)       50
     4307(  78.3%)     Total
```

LUMENS ABSORBED BY SYSTEM:

```
   Lumens(%)            Layer Name
      206(   3.7%)     REFL-MASK
      141(   2.6%)     TRAN-CAVITY
       25(   0.5%)     REFL-SHOLDER1
       99(   1.8%)     REFL-FAN2
       14(   0.3%)     REFL-ENDS
       68(   1.2%)     REFL-FAN1
        6(   0.1%)     REFL-SHOL_DIF
      452(   8.2%)     LAMP-F54T5HO1
       23(   0.4%)     LAMP-F54T5HO2
        0(   0.0%)     LAMP-F54T5HOA
      149(   2.7%)     REFL-CAVITY_SIDEWALL
     1187(  21.6%)     Total
   Lumens(%)            Material
      475(   8.6%)     PHOSGLAS
      376(   6.8%)     PERFE980
      193(   3.5%)     ALMIRO02
      141(   2.6%)     Gore 7five
     1186(  21.6%)     Total
```

UNACCOUNTED LUMENS:
```
         reached interreflection limit:     5.00 (   0.1%)
         fell below continuation minimum:   0.00 (   0.0%)
could not find in/out refractor facet:      0.00 (   0.0%)
 reached try limit for scatter bounce:      0.00 (   0.0%)
 lost elsewhere(i.e. outside distrib):      0.00 (   0.0%)
```

```
Number of Lamps: 1                  Lumens per Lamp: 5500
Ballast  Factor: 1.00  Ballast-Lamp Photometric Factor: 1.00
Luminaire Width: 1.0143     Length: 3.9500      Height: 0.3539
Photometry Type: C                             Units: feet
```

Candela Distribution:

	0.00	22.50	45.00	67.50	90.00
0.00	264	264	264	264	264
5.00	236	247	229	232	226
10.00	229	241	241	235	244
15.00	223	225	230	225	223
20.00	244	231	222	235	245
25.00	235	222	221	217	225
30.00	207	214	218	211	230
35.00	205	210	197	202	201
40.00	193	185	200	185	191
45.00	176	176	175	178	178
50.00	158	170	166	167	170
55.00	147	153	149	152	144
60.00	134	128	130	133	128
65.00	119	113	117	110	117
70.00	93.0	96.7	98.2	104	94.3
75.00	75.6	74.6	79.5	79.4	81.4
80.00	52.5	59.5	61.5	59.4	60.1
85.00	32.8	44.6	70.7	111	126
90.00	27.8	150	213	276	281
95.00	60.5	531	862	967	947
100.00	69.9	517	1223	1435	1490
105.00	81.8	354	1220	1771	1874
110.00	94.9	228	985	1580	1779
115.00	102	188	666	1357	1552
120.00	120	192	378	991	1256
125.00	132	194	300	490	691
130.00	137	197	269	351	387
135.00	142	190	265	317	346
140.00	160	200	247	297	303
145.00	171	185	240	259	300
150.00	163	193	239	252	260
155.00	169	196	223	241	255
160.00	165	186	205	238	255
165.00	180	188	213	212	212
170.00	169	189	216	207	203
175.00	148	160	179	213	198
180.00	165	165	165	165	165

Zonal Lumens

Cone	Between	Lumens
0.0	0.0- 2.5	1.58
5.0	2.5- 7.5	11.21
10.0	7.5- 12.5	22.70
15.0	12.5- 17.5	32.02
20.0	17.5- 22.5	43.69
25.0	22.5- 27.5	51.57
30.0	27.5- 32.5	59.04
35.0	32.5- 37.5	63.82
40.0	37.5- 42.5	67.08
45.0	42.5- 47.5	68.33
50.0	47.5- 52.5	70.07
55.0	52.5- 57.5	67.19

```
60.0     57.5- 62.5      61.90
65.0     62.5- 67.5      56.89
70.0     67.5- 72.5      50.52
75.0     72.5- 77.5      41.31
80.0     77.5- 82.5      31.93
85.0     82.5- 87.5      41.78
90.0     87.5- 92.5     108.68
95.0     92.5- 97.5     390.80
100.0    97.5-102.5     533.76
105.0   102.5-107.5     572.14
110.0   107.5-112.5     480.24
115.0   112.5-117.5     377.30
120.0   117.5-122.5     266.89
125.0   122.5-127.5     156.60
130.0   127.5-132.5     113.23
135.0   132.5-137.5      98.46
140.0   137.5-142.5      85.97
145.0   142.5-147.5      72.25
150.0   147.5-152.5      61.33
155.0   152.5-157.5      50.51
160.0   157.5-162.5      39.30
165.0   162.5-167.5      28.67
170.0   167.5-172.5      18.98
175.0   172.5-177.5       8.65
180.0   177.5-180.0       0.98
```

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0- 30	191	3.5	4.4
0- 40	318	5.8	7.4
0- 60	589	10.7	13.7
0- 90	897	16.3	20.8
90-120	2544	46.2	59.1
90-130	2890	52.5	67.1
90-150	3234	58.8	75.1
90-180	3410	62.0	79.2
0-180	4307	78.3	100.0

Total Luminaire Optical Efficiency = 78.3%

Luminaire Spacing Criterion:

0 deg	90 deg
1.17	1.25

Average Luminaire Luminance (cd/sqmeter):

	0	45	90
0	710.10	710.10	710.10
45	613.52	506.16	502.17
50	596.50	506.57	501.70
55	609.58	483.34	449.79
60	624.29	453.67	429.29
65	634.44	447.94	423.91
70	586.01	416.69	378.39
75	588.16	382.69	366.85
80	538.47	344.65	311.95
85	499.51	479.73	779.41

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

pcc	.8				.7				.5			.3			.1			0
pw	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
RCR																		
0	79	79	79	79	70	70	70	70	52	52	52	37	37	37	22	22	22	15
1	71	68	65	62	63	60	57	55	45	43	41	31	30	29	18	18	17	12
2	65	59	54	50	57	52	48	44	39	36	34	27	25	24	16	15	14	9
3	59	51	46	41	51	45	41	37	34	31	28	24	21	20	14	13	12	7
4	54	45	39	34	47	40	35	31	30	26	24	21	18	17	12	11	10	6
5	49	40	34	29	43	35	30	26	27	23	20	18	16	14	11	9	8	5
6	45	36	29	25	39	31	26	22	24	20	17	17	14	12	10	8	7	4
7	41	32	26	21	36	28	23	19	21	18	15	15	12	11	9	7	6	4
8	38	29	23	19	33	25	20	17	19	16	13	13	11	9	8	7	5	3
9	35	26	20	16	31	23	18	15	17	14	11	12	10	8	7	6	5	3
10	33	24	18	14	29	21	16	13	16	12	10	11	9	7	7	5	4	3

V22_T5_B - (Candela Distribution Polar Plot)

0.0	
22.5	
45.0	
67.5	
90.0	

110.0
105.0
100.0
95.0
90.0
85.0
80.0

115.0
120.0
125.0
135.0

75.0
70.0
45.0

180.0
833
625
416
208
0
208
416
0.0
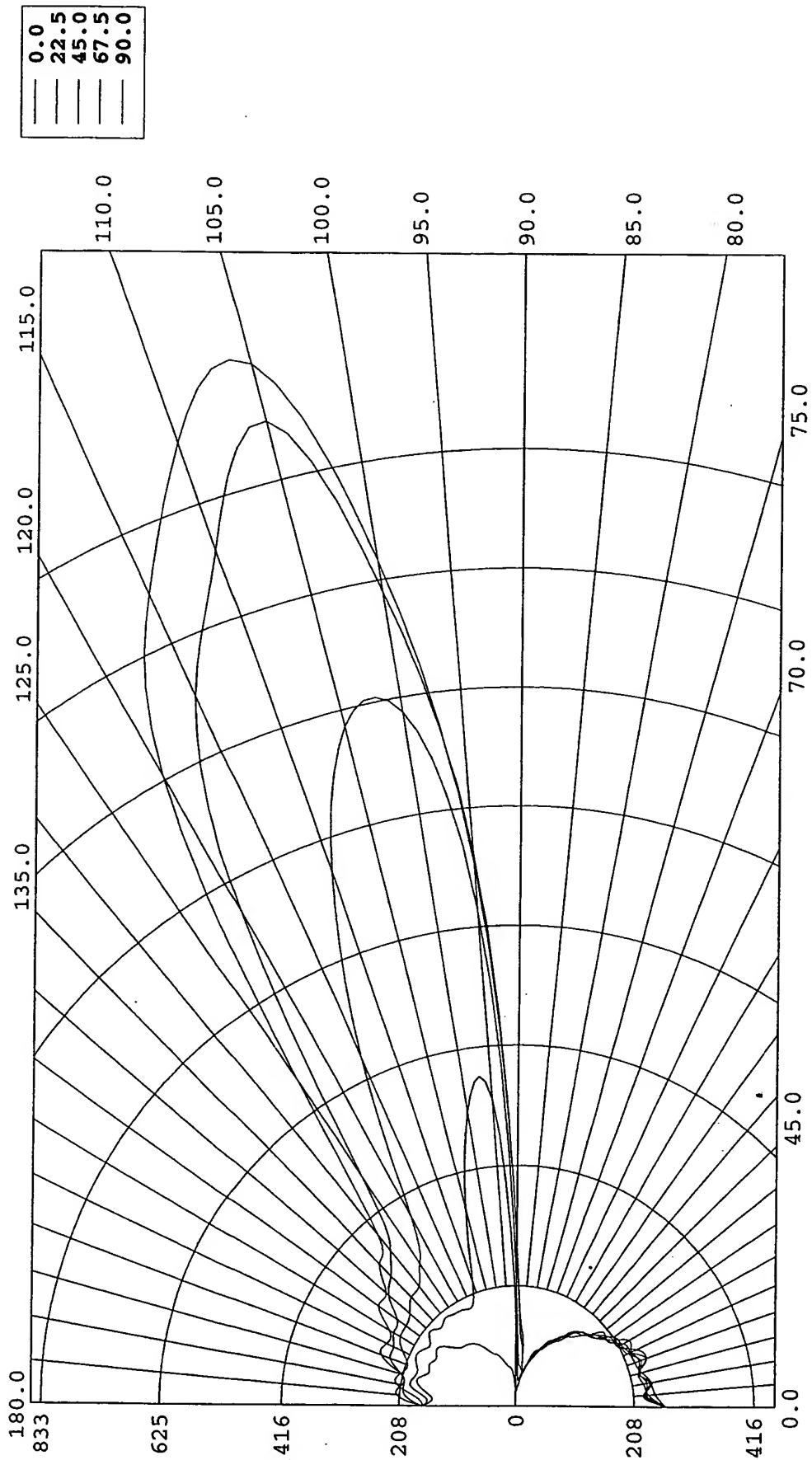
V22_T5_B - (Candela Distribution XY Plot)

0.0	
22.5	
45.0	
67.5	
90.0	

Luminous Intensity (cd)

1665

1249

833

416

0.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0

Vertical Angle (degrees)
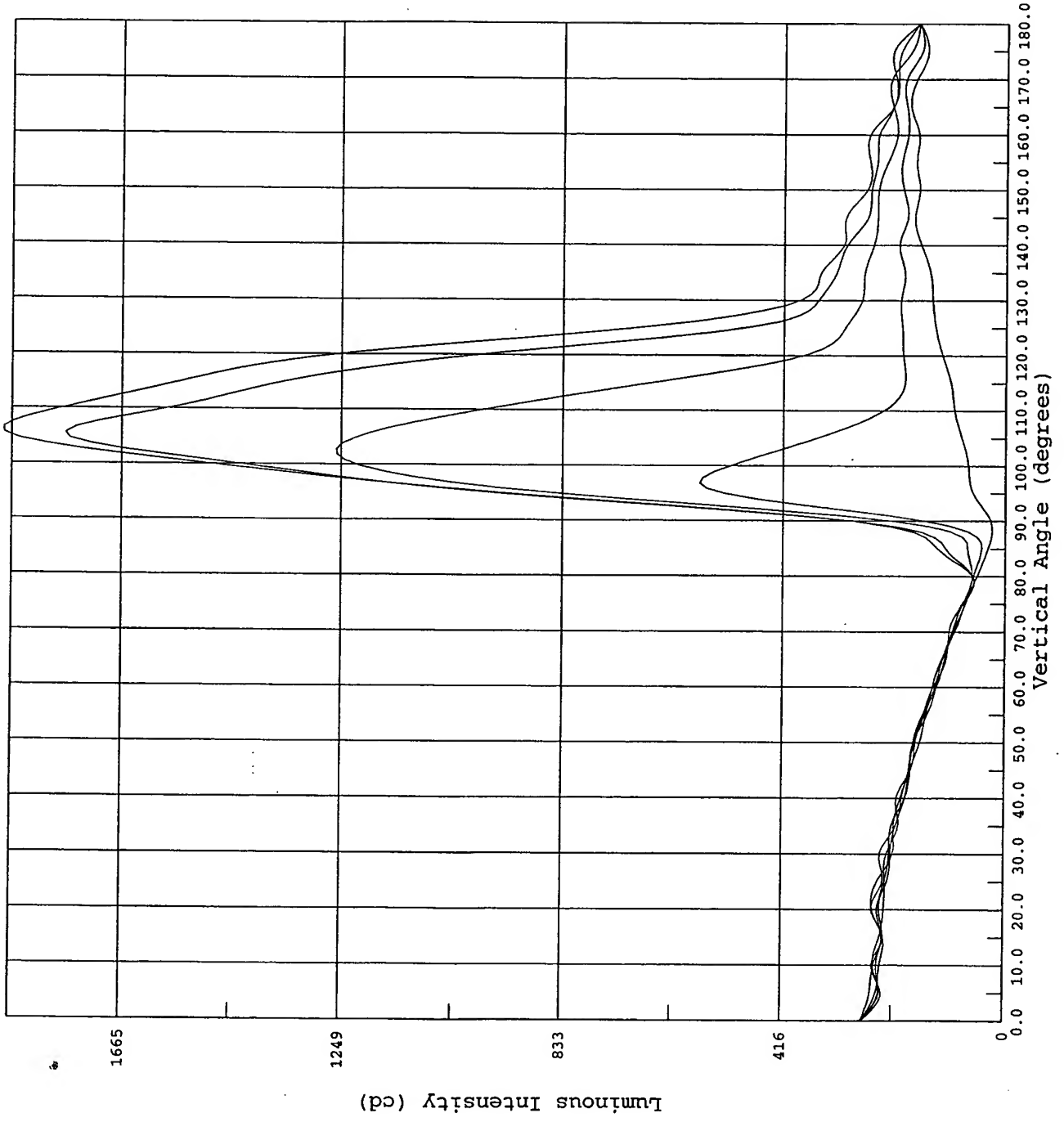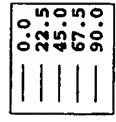
Photometric Report

Number of lamps:	1
Lumens per lamp:	5500.00
Input watts:	59.00
Distribution:	Semi-Indirect
Symmetry:	Quadrilateral
Photometric type:	C
Luminous shape:	Rectangle
Units:	Feet
Luminous Dimensions:	
0-180 Axis:	3.950
90-270 Axis:	1.014
Height:	0.354
Spacing Criteria (0):	1.18
Spacing Criteria (90):	1.25
Spacing Criteria (Four Luminaires):	1.37

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	192	3	4
0-40	319	6	7
0-60	589	11	14
0-90	897	16	21
90-120	2542	46	59
90-150	3233	59	75
90-180	3410	62	79
0-180	4307	78	100

Total Luminaire Efficiency = 78%

Luminance Data in candela/square meter

	0.0	45.0	90.0
0.0	710	710	710
45.0	614	506	502
55.0	610	483	450
65.0	634	448	424
75.0	588	383	367
85.0	500	480	779

Coefficients of Utilization

pfc= 0.20

pcc-	0.80				0.70				0.50			0.30			0.10			0.0
pw->	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.0
RCR																		
0	80	80	80	80	70	70	70	70	53	53	53	37	37	37	23	23	23	16
1	72	68	65	62	63	60	58	55	45	44	42	32	31	30	19	18	18	12
2	65	59	54	50	57	52	48	45	39	37	34	27	26	24	16	15	15	10
3	59	52	46	42	52	46	41	37	35	31	29	24	22	20	14	13	12	8
4	54	46	40	35	47	40	35	31	31	27	24	21	19	17	13	11	10	7
5	49	40	34	30	43	36	31	27	27	23	21	19	17	15	11	10	9	6
6	45	36	30	25	40	32	27	23	24	20	18	17	15	13	10	9	8	5
7	42	32	26	22	37	29	23	20	22	18	15	15	13	11	9	8	7	4
8	39	29	23	19	34	26	21	17	20	16	13	14	11	10	8	7	6	4
9	36	26	21	17	31	23	18	15	18	14	12	13	10	9	8	6	5	3
10	33	24	18	15	29	21	17	13	16	13	10	12	9	8	7	6	5	3
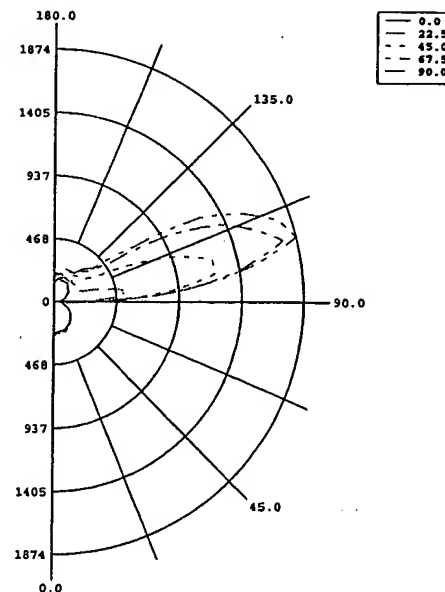
Candela Distribution

	0.0	22.5	45.0	67.5	90.0
0.0	264	264	264	264	264
5.0	236	247	229	232	226
10.0	229	241	241	235	244
15.0	223	225	230	225	223
20.0	244	231	222	235	245
25.0	235	222	221	217	225
30.0	207	214	218	211	230
35.0	205	210	197	202	201
40.0	193	185	200	185	191
45.0	176	176	175	178	178
50.0	158	170	166	167	170
55.0	147	153	149	152	144
60.0	134	128	130	133	128
65.0	119	113	117	110	117
70.0	93	97	98	104	94
75.0	76	75	80	79	81
80.0	52	59	61	59	60
85.0	33	45	71	111	126
90.0	28	150	213	276	281
95.0	60	531	862	967	947
100.0	70	517	1223	1435	1490
105.0	82	354	1220	1771	1874
110.0	95	228	985	1580	1779
115.0	102	188	666	1357	1552
120.0	120	192	378	991	1256
125.0	132	194	300	490	691
130.0	137	197	269	351	387
135.0	142	190	265	317	346
140.0	160	200	247	297	303
145.0	171	185	240	259	300
150.0	163	193	239	252	260
155.0	169	196	223	241	255
160.0	165	186	205	238	255
165.0	180	188	213	212	212
170.0	169	189	216	207	203
175.0	148	160	179	213	198
180.0	165	165	165	165	165

Calculation Grid: Surface 1 : Grid 1 (LPLF)

V22-T5-B

Surface Illuminance

Calculation Grid Summary

Grid Name: Surface 1 : Grid 1
Grid Type: Surface Illuminance
Grid Units: Footcandles

Grid Origin: (1.50, 1.50)
Grid Orient:
Grid Elev.: 2.50

Grid Surface: Complex #6
Grid Hinge: 0
Grid Azimuth: 0

### Statistical Area Summary

Stat. Area	Ave	Max	Min	Ave/Min	Max/Min	Std. Dev.
Surface 1 : Grid 1	64.6	88.1	32.5	2.0	2.7	12.9

Calculation Grid

	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50	13.50	14.50	15.50	16.50	17.50
28.50	32.5	35.7	38.8	40.4	41.1	41.0	40.5	39.9	39.6	39.6	40.5	41.8	43.1	44.4	44.4	43.1	41.8
27.50	36.5	40.8	45.1	47.2	48.0	47.6	46.6	45.5	44.7	44.9	46.2	47.9	49.9	51.8	51.8	49.9	47.9
26.50	40.7	46.2	51.6	54.2	55.1	54.2	52.7	51.0	49.8	50.0	51.7	54.1	56.8	59.2	59.2	56.8	54.1
25.50	43.9	50.3	56.6	59.6	60.6	59.5	57.5	55.3	53.8	54.0	56.1	59.0	62.3	65.1	65.1	62.3	59.0
24.50	46.9	54.0	61.1	64.6	65.6	64.2	61.9	59.4	57.6	57.8	60.1	63.5	67.3	70.5	70.5	67.3	63.5
23.50	49.5	57.3	64.9	68.7	69.7	68.2	65.6	62.8	60.9	61.1	63.6	67.3	71.5	74.9	74.9	71.5	67.3
22.50	51.8	60.0	68.1	72.1	73.3	71.7	69.0	66.0	64.0	64.2	66.9	70.8	75.1	78.7	78.7	75.1	70.8
21.50	53.5	62.1	70.4	74.6	75.8	74.2	71.4	68.4	66.3	66.5	69.3	73.3	77.8	81.5	81.5	77.8	73.3
20.50	55.0	63.7	72.1	76.4	77.7	76.1	73.3	70.2	68.1	68.4	71.2	75.2	79.8	83.5	83.5	79.8	75.2
19.50	55.7	64.5	73.1	77.5	78.8	77.2	74.4	71.4	69.2	69.5	72.3	76.4	81.0	84.8	84.8	81.0	76.4
18.50	56.3	65.2	73.9	78.3	79.7	78.1	75.3	72.3	70.1	70.4	73.3	77.4	82.0	85.8	85.8	82.0	77.4
17.50	56.7	65.6	74.3	78.7	80.1	78.5	75.8	72.7	70.6	70.9	73.7	77.9	82.5	86.3	86.3	82.5	77.9
16.50	56.8	65.8	74.6	79.0	80.4	78.9	76.1	73.1	71.0	71.3	74.2	78.3	82.9	86.7	86.7	82.9	78.3
15.50	57.8	67.0	75.9	80.4	81.8	80.2	77.4	74.3	72.1	72.4	75.4	79.6	84.3	88.1	88.1	84.3	79.6
14.50	57.8	67.0	75.9	80.4	81.8	80.2	77.4	74.3	72.1	72.4	75.4	79.6	84.3	88.1	88.1	84.3	79.6
13.50	56.8	65.8	74.6	79.0	80.4	78.9	76.1	73.1	71.0	71.3	74.2	78.3	82.9	86.7	86.7	82.9	78.3
12.50	56.7	65.6	74.3	78.7	80.1	78.5	75.8	72.7	70.6	70.9	73.7	77.9	82.5	86.3	86.3	82.5	77.9
11.50	56.3	65.2	73.9	78.3	79.7	78.1	75.3	72.3	70.1	70.4	73.3	77.4	82.0	85.8	85.8	82.0	77.4
10.50	55.7	64.5	73.1	77.5	78.8	77.2	74.4	71.4	69.2	69.5	72.3	76.4	81.0	84.8	84.8	81.0	76.4

Surface Illuminance

	18.50	19.50	20.50	21.50	22.50	23.50	24.50	25.50	26.50	27.50	28.50
28.50	40.5	39.6	39.6	39.9	40.5	41.0	41.1	40.4	38.8	35.7	32.5
27.50	46.2	44.9	44.7	45.5	46.6	47.6	48.0	47.2	45.1	40.8	36.5
26.50	51.7	50.0	49.8	51.0	52.7	54.2	55.1	54.2	51.6	46.2	40.7
25.50	56.1	54.0	53.8	55.3	57.5	59.5	60.6	59.6	56.6	50.3	43.9
24.50	60.1	57.8	57.6	59.4	61.9	64.2	65.6	64.6	61.1	54.0	46.9
23.50	63.6	61.1	60.9	62.9	65.6	68.2	69.8	68.7	64.9	57.3	49.5
22.50	66.9	64.2	64.0	66.0	69.0	71.7	73.3	72.1	68.1	60.0	51.8
21.50	69.3	66.5	66.3	68.4	71.4	74.2	75.8	74.6	70.4	62.1	53.5
20.50	71.2	68.4	68.1	70.2	73.3	76.1	77.7	76.4	72.1	63.7	55.0
19.50	72.3	69.5	69.2	71.4	74.4	77.2	78.8	77.5	73.1	64.5	55.7
18.50	73.3	70.4	70.1	72.3	75.3	78.1	79.7	78.3	73.9	65.2	56.3
17.50	73.7	70.9	70.6	72.7	75.8	78.5	80.1	78.7	74.3	65.6	56.7
16.50	74.2	71.3	71.0	73.1	76.1	78.9	80.4	79.0	74.6	65.8	56.9
15.50	75.4	72.4	72.1	74.3	77.4	80.2	81.8	80.4	75.9	67.0	57.8
14.50	75.4	72.4	72.1	74.3	77.4	80.2	81.8	80.4	75.9	67.0	57.8
13.50	74.2	71.3	71.0	73.1	76.1	78.9	80.4	79.0	74.6	65.8	56.9
12.50	73.7	70.9	70.6	72.7	75.8	78.5	80.1	78.7	74.3	65.6	56.7
11.50	73.3	70.4	70.1	72.3	75.3	78.1	79.7	78.3	73.9	65.2	56.3
10.50	72.3	69.5	69.2	71.4	74.4	77.2	78.8	77.5	73.1	64.5	55.7

Surface Illuminance

	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50	13.50	14.50	15.50	16.50	17.50
9.50	55.0	63.7	72.1	76.4	77.7	76.1	73.3	70.2	68.1	68.4	71.2	75.2	79.8	83.5	83.5	79.8	75.2
8.50	53.5	62.1	70.4	74.6	75.8	74.2	71.4	68.4	66.3	66.5	69.3	73.3	77.8	81.5	81.5	77.8	73.3
7.50	51.8	60.0	68.1	72.1	73.3	71.7	69.0	66.0	64.0	64.2	66.9	70.8	75.1	78.7	78.7	75.1	70.8
6.50	49.5	57.3	64.9	68.7	69.8	68.2	65.6	62.9	60.9	61.1	63.7	67.3	71.5	74.9	74.9	71.5	67.3
5.50	46.9	54.0	61.1	64.6	65.6	64.2	61.9	59.4	57.6	57.8	60.1	63.5	67.3	70.5	70.5	67.3	63.5
4.50	43.9	50.3	56.6	59.6	60.6	59.5	57.5	55.3	53.8	54.0	56.1	59.0	62.3	65.1	65.1	62.3	59.0
3.50	40.7	46.2	51.6	54.2	55.1	54.2	52.7	51.0	49.8	50.0	51.7	54.1	56.8	59.2	59.2	56.8	54.1
2.50	36.5	40.8	45.1	47.2	48.0	47.6	46.6	45.5	44.8	44.9	46.2	48.0	49.9	51.8	51.8	49.9	48.0
1.50	32.5	35.7	38.8	40.4	41.1	41.0	40.5	39.9	39.6	39.6	40.5	41.8	43.1	44.4	44.4	43.0	41.8

Surface Illuminance

	18.50	19.50	20.50	21.50	22.50	23.50	24.50	25.50	26.50	27.50	28.50
9.50	71.2	68.4	68.1	70.2	73.3	76.1	77.7	76.4	72.1	63.7	55.0
8.50	69.3	66.5	66.3	68.4	71.4	74.2	75.8	74.6	70.4	62.1	53.5
7.50	66.9	64.2	64.0	66.0	69.0	71.7	73.3	72.1	68.1	60.0	51.8
6.50	63.6	61.1	60.9	62.9	65.7	68.2	69.8	68.7	64.9	57.3	49.5
5.50	60.1	57.8	57.6	59.4	61.9	64.2	65.6	64.6	61.1	54.1	46.9
4.50	56.1	54.0	53.8	55.3	57.5	59.5	60.6	59.6	56.6	50.3	43.9
3.50	51.7	50.0	49.8	51.0	52.7	54.3	55.1	54.2	51.6	46.2	40.7
2.50	46.2	44.9	44.8	45.5	46.6	47.6	48.0	47.2	45.1	40.8	36.5
1.50	40.5	39.6	39.6	39.9	40.5	41.0	41.1	40.4	38.8	35.7	32.5

Surface Illuminance

Calculation Grid Summary

Grid Name: Ceiling Surfcae Grid   Grid Origin: (28.39, 1.52)   Grid Surface: Ceiling
Grid Type: Surface Illuminance   Grid Orient: Grid Hinge: 0
Grid Units: Footcandles   Grid Elev.: 8.00   Grid Azimuth: 0

Statistical Area Summary

Stat. Area	Ave	Max	Min	Ave/Min	Max/Min	Std. Dev.
Ceiling Surfcae Grid	92.5	220.0	25.1	3.7	8.8	71.1

Calculation Grid

	27.89	26.89	25.89	24.89	23.89	22.89	21.89	20.89	19.89	18.89	17.89	16.89	15.89	14.89	13.89	12.89	11.89
28.02	26.0	31.2	34.4	28.0	36.5	32.0	28.4	27.2	25.9	27.1	29.4	34.0	36.3	28.7	37.6	33.1	28.7
27.02	29.8	47.1	108.7	107.0	98.3	43.5	32.0	29.5	27.8	29.5	33.9	50.4	110.8	107.9	99.6	44.7	32.5
26.02	34.0	64.0	193.9	208.3	168.1	55.7	35.9	31.9	29.8	32.1	38.7	67.9	196.3	209.3	169.5	56.9	36.5
25.02	37.3	71.9	206.2	214.1	181.1	62.6	39.4	34.5	32.3	34.8	42.7	76.3	209.0	215.4	182.7	64.0	40.1
24.02	39.2	74.5	208.1	215.3	183.2	65.3	41.5	36.2	33.8	36.5	44.9	79.2	210.9	216.6	185.0	66.7	42.2
23.02	39.6	74.7	202.8	203.7	179.9	65.9	42.2	36.7	34.3	37.1	45.6	79.6	205.9	205.2	181.7	67.3	42.9
22.02	40.4	75.9	209.1	215.9	184.5	66.9	43.0	37.5	35.0	37.9	46.6	80.8	212.2	217.5	186.4	68.5	43.8
21.02	41.0	76.6	210.6	216.8	185.9	67.7	43.7	38.1	35.6	38.5	47.3	81.7	213.7	218.3	187.8	69.3	44.5
20.02	41.4	76.8	210.3	216.9	185.7	68.2	44.3	38.7	36.2	39.2	47.9	82.1	213.5	218.6	187.7	69.8	45.1
19.02	41.5	76.5	204.6	205.3	181.8	68.1	44.4	38.8	36.3	39.3	48.0	81.8	207.9	206.9	183.8	69.7	45.2
18.02	41.4	76.8	210.0	216.8	185.6	68.2	44.4	38.8	36.3	39.3	48.0	82.2	213.5	218.5	187.6	69.9	45.2
17.02	42.3	78.0	212.1	218.3	187.6	69.5	45.5	39.9	37.3	40.4	49.2	83.5	215.5	220.0	189.6	71.1	46.4
16.02	41.8	77.2	210.6	217.2	186.1	68.6	44.8	39.2	36.6	39.7	48.4	82.6	214.0	218.9	188.1	70.3	45.6
15.02	41.7	76.7	204.9	205.5	182.1	68.4	44.8	39.2	36.7	39.7	48.4	82.2	208.3	207.2	184.1	70.1	45.7
14.02	41.8	77.2	210.5	217.2	186.0	68.6	44.8	39.2	36.7	39.7	48.4	82.6	213.9	218.9	188.0	70.3	45.7
13.02	41.8	77.5	211.5	217.7	187.0	68.8	44.9	39.3	36.7	39.7	48.5	82.9	214.8	219.4	189.0	70.5	45.7
12.02	41.8	77.3	210.7	217.3	186.2	68.7	44.9	39.3	36.7	39.7	48.5	82.7	214.0	219.0	188.2	70.4	45.7
11.02	41.1	76.1	204.1	204.7	181.2	67.4	43.8	38.2	35.6	38.6	47.3	81.1	207.2	206.2	183.1	69.0	44.6
10.02	41.4	76.8	210.1	216.9	185.6	68.2	44.3	38.7	36.2	39.2	47.9	82.1	213.4	218.5	187.6	69.8	45.1

Surface Illuminance

Calculation Grid

	10.89	9.89	8.89	7.89	6.89	5.89	4.89	3.89	2.89	1.89
28.02	26.9	26.4	27.0	28.9	33.0	35.3	27.6	35.1	30.0	25.2
27.02	29.2	28.3	29.3	33.3	49.2	109.7	106.6	96.7	41.2	28.3
26.02	31.6	30.5	31.9	37.9	66.5	195.1	207.7	166.3	52.9	31.7
25.02	34.2	32.9	34.6	41.9	74.7	207.6	213.5	179.0	59.3	34.6
24.02	35.9	34.5	36.3	44.1	77.5	209.4	214.7	181.1	61.8	36.3
23.02	36.4	35.0	36.8	44.8	77.8	204.3	203.1	177.5	62.2	36.7
22.02	37.2	35.7	37.6	45.7	79.0	210.6	215.4	182.1	63.3	37.5
21.02	37.8	36.3	38.2	46.4	79.8	212.0	216.2	183.5	63.9	38.1
20.02	38.5	36.9	38.8	47.0	80.2	211.7	216.3	183.2	64.3	38.4
19.02	38.6	37.0	39.0	47.1	79.8	206.1	204.7	179.3	64.2	38.5
18.02	38.6	37.0	38.9	47.1	80.2	211.6	216.2	183.0	64.3	38.4
17.02	39.7	38.1	40.0	48.2	81.5	213.6	217.7	185.0	65.4	39.3
16.02	39.0	37.4	39.3	47.5	80.6	212.1	216.6	183.5	64.7	38.8
15.02	39.0	37.4	39.3	47.5	80.2	206.4	204.9	179.5	64.4	38.7
14.02	39.0	37.4	39.3	47.5	80.6	212.0	216.6	183.4	64.7	38.8
13.02	39.0	37.4	39.4	47.6	80.9	213.0	217.1	184.4	64.8	38.8
12.02	39.0	37.4	39.4	47.6	80.7	212.2	216.7	183.6	64.7	38.9
11.02	37.9	36.3	38.3	46.5	79.2	205.5	204.1	178.8	63.7	38.1
10.02	38.5	36.9	38.9	47.0	80.2	211.6	216.3	183.1	64.2	38.4

Surface Illuminance

Calculation Grid

	27.89	26.89	25.89	24.89	23.89	22.89	21.89	20.89	19.89	18.89	17.89	16.89	15.89	14.89	13.89	12.89	11.89
9.02	41.0	76.6	210.6	216.8	186.0	67.7	43.7	38.2	35.6	38.6	47.3	81.7	213.8	218.4	187.9	69.3	44.5
8.02	40.5	75.9	209.3	216.0	184.6	67.0	43.0	37.5	35.0	37.9	46.6	80.9	212.3	217.5	186.5	68.5	43.8
7.02	39.7	74.7	202.9	203.8	179.9	65.9	42.2	36.8	34.3	37.2	45.7	79.6	205.9	205.2	181.7	67.4	42.9
6.02	39.2	74.5	208.0	215.2	183.2	65.3	41.5	36.2	33.8	36.6	44.9	79.2	210.9	216.6	184.9	66.7	42.2
5.02	37.5	72.3	206.6	214.4	181.4	62.9	39.7	34.8	32.5	35.0	42.9	76.7	209.3	215.6	183.1	64.3	40.3
4.02	34.1	64.4	194.9	208.7	169.1	56.0	36.0	32.0	29.9	32.1	38.8	68.3	197.3	209.7	170.6	57.2	36.6
3.02	30.0	47.9	114.4	117.3	102.6	44.0	32.1	29.5	27.9	29.6	34.1	51.2	116.6	118.2	104.0	45.2	32.6
2.02	25.9	31.4	35.2	28.2	37.2	32.1	28.3	27.1	25.8	27.0	29.4	34.3	37.1	28.9	38.3	33.3	28.7

Surface Illuminance

Calculation Grid

	10.89	9.89	8.89	7.89	6.89	5.89	4.89	3.89	2.89	1.89
9.02	37.9	36.3	38.3	46.5	79.8	212.1	216.2	183.5	63.9	38.0
8.02	37.3	35.7	37.6	45.8	79.0	210.7	215.4	182.2	63.3	37.5
7.02	36.5	35.0	36.9	44.9	77.8	204.3	203.2	177.6	62.3	36.8
6.02	35.9	34.5	36.3	44.1	77.5	209.3	214.6	.181.0	61.8	36.3
5.02	34.4	33.1	34.8	42.1	75.1	207.9	213.8	179.4	59.7	34.8
4.02	31.6	30.5	31.9	38.0	66.9	196.1	208.1	167.3	53.1	31.7
3.02	29.2	28.4	29.4	33.5	50.0	115.4	116.9	101.0	41.7	28.5
2.02	26.8	26.2	26.8	28.9	33.2	36.1	27.8	35.8	30.2	25.1

Surface Illuminance

Calculation Grid Summary

Grid Name: Ceiling Surfcae Grid   Grid Origin: (28.39, 1.52)   Grid Surface: Ceiling
Grid Type: Surface Illuminance   Grid Orient: Grid Hinge: 0
Grid Units: Footcandles   Grid Elev.: 8.00   Grid Azimuth: 0

Statistical Area Summary

Stat. Area	Ave	Max	Min	Ave/Min	Max/Min	Std. Dev.
Ceiling Surfcae Grid	88.1	218.6	24.3	3.6	9.0	72.7

Calculation Grid

	27.89	26.89	25.89	24.89	23.89	22.89	21.89	20.89	19.89	18.89	17.89	16.89	15.89	14.89	13.89	12.89	11.89
28.02	33.1	26.2	35.2	31.5	27.5	25.2	24.6	25.0	24.4	26.0	28.5	33.2	35.6	28.0	36.8	32.3	27.7
27.02	107.2	105.0	96.9	42.8	30.9	27.2	26.2	26.5	26.0	28.2	32.8	49.5	109.9	107.1	98.7	43.7	31.4
26.02	192.4	206.0	166.5	54.9	34.7	29.3	27.9	28.3	27.7	30.6	37.5	66.9	195.4	208.4	168.6	55.9	35.2
25.02	204.5	211.6	179.4	61.6	38.0	31.6	29.9	30.2	29.8	33.1	41.3	75.2	208.0	214.3	181.7	62.8	38.7
24.02	206.3	212.7	181.6	64.3	40.0	33.1	31.2	31.5	31.1	34.7	43.4	77.9	209.8	215.5	183.8	65.4	40.6
23.02	201.0	201.2	178.0	64.7	40.6	33.5	31.5	31.8	31.4	35.1	44.1	78.2	204.7	204.0	180.5	66.0	41.2
22.02	207.3	213.4	182.7	65.8	41.4	34.2	32.1	32.4	32.1	35.9	45.0	79.5	211.0	216.3	185.1	67.0	42.1
21.02	208.7	214.2	184.2	66.5	42.0	34.7	32.6	32.9	32.6	36.4	45.6	80.3	212.5	217.1	186.6	67.8	42.7
20.02	208.2	214.2	183.9	66.9	42.6	35.3	33.2	33.5	33.1	37.0	46.2	80.7	212.2	217.3	186.4	68.3	43.3
19.02	202.6	202.6	179.9	66.8	42.7	35.4	33.2	33.5	33.2	37.1	46.3	80.4	206.6	205.6	182.5	68.2	43.4
18.02	208.1	214.1	183.6	66.9	42.6	35.3	33.2	33.5	33.2	37.1	46.3	80.7	212.2	217.2	186.3	68.4	43.4
17.02	209.9	215.4	185.7	68.1	43.7	36.3	34.2	34.5	34.1	38.1	47.4	82.0	214.1	218.6	188.2	69.6	44.5
16.02	208.5	214.5	184.2	67.3	43.0	35.7	33.5	33.8	33.5	37.5	46.7	81.1	212.6	217.6	186.8	68.8	43.8
15.02	202.7	202.7	180.2	67.1	43.0	35.7	33.5	33.8	33.5	37.5	46.7	80.7	206.9	205.9	182.8	68.5	43.8
14.02	208.4	214.5	184.1	67.3	43.1	35.7	33.6	33.8	33.5	37.5	46.7	81.1	212.5	217.6	186.7	68.7	43.8
13.02	209.3	214.9	185.0	67.5	43.1	35.7	33.6	33.9	33.6	37.5	46.8	81.4	213.5	218.1	187.6	69.0	43.9
12.02	208.6	214.6	184.3	67.4	43.1	35.7	33.6	33.9	33.6	37.5	46.7	81.2	212.7	217.7	186.9	68.8	43.9
11.02	202.3	202.2	179.4	66.2	42.1	34.7	32.6	32.9	32.6	36.5	45.6	79.7	206.0	205.0	181.8	67.5	42.8
10.02	208.1	214.1	183.8	66.9	42.6	35.3	33.2	33.5	33.1	37.0	46.2	80.7	212.1	217.2	186.3	68.3	43.3

Surface Illuminance

Calculation Grid										
	10.89	9.89	8.89	7.89	6.89	5.89	4.89	3.89	2.89	1.89
28.02	25.8	24.7	24.5	24.6	25.3	27.9	32.3	34.0	26.4	33.9
27.02	27.8	26.4	26.0	26.3	27.4	32.2	48.4	108.2	105.1	95.6
26.02	30.0	28.2	27.7	27.9	29.7	36.8	65.6	193.5	206.1	165.1
25.02	32.4	30.2	29.6	30.0	32.0	40.5	73.7	205.7	211.7	177.8
24.02	33.9	31.5	30.9	31.4	33.5	42.6	76.4	207.6	212.8	179.9
23.02	34.3	31.8	31.1	31.7	33.9	43.1	76.6	202.1	201.2	176.4
22.02	35.1	32.4	31.8	32.4	34.6	44.0	77.8	208.5	213.5	181.0
21.02	35.6	32.9	32.3	32.9	35.2	44.7	78.6	209.9	214.3	182.4
20.02	36.2	33.5	32.8	33.4	35.7	45.2	78.9	209.6	214.3	181.9
19.02	36.3	33.6	32.9	33.5	35.8	45.3	78.6	203.9	202.6	178.0
18.02	36.3	33.5	32.8	33.5	35.8	45.3	78.9	209.3	214.1	181.7
17.02	37.3	34.5	33.8	34.5	36.8	46.4	80.2	211.4	215.5	183.5
16.02	36.6	33.9	33.2	33.8	36.1	45.7	79.3	209.9	214.5	182.2
15.02	36.6	33.9	33.2	33.8	36.1	45.6	78.9	204.2	202.8	178.1
14.02	36.6	33.9	33.2	33.8	36.1	45.7	79.3	209.8	214.5	182.1
13.02	36.7	34.0	33.3	33.9	36.2	45.8	79.6	210.8	214.9	183.0
12.02	36.7	34.0	33.3	33.9	36.2	45.7	79.4	210.0	214.6	182.3
11.02	35.6	32.9	32.2	32.9	35.2	44.7	78.1	203.4	202.2	177.6
10.02	36.2	33.5	32.8	33.4	35.7	45.2	78.9	209.5	214.2	181.8

Surface Illuminance

Calculation Grid

	27.89	26.89	25.89	24.89	23.89	22.89	21.89	20.89	19.89	18.89	17.89	16.89	15.89	14.89	13.89	12.89	11.89
9.02	208.7	214.2	184.2	66.5	42.1	34.8	32.7	32.9	32.6	36.5	45.6	80.3	212.5	217.1	186.6	67.8	42.8
8.02	207.5	213.4	182.8	65.8	41.4	34.2	32.1	32.4	32.1	35.9	45.0	79.5	211.1	216.3	185.2	67.1	42.1
7.02	201.1	201.2	178.2	64.8	40.6	33.5	31.5	31.8	31.4	35.2	44.1	78.3	204.7	204.0	180.5	66.0	41.3
6.02	206.2	212.7	181.5	64.3	40.0	33.1	31.2	31.5	31.1	34.7	43.4	77.9	209.8	215.5	183.8	65.4	40.6
5.02	204.8	211.9	179.8	62.0	38.3	31.9	30.1	30.4	30.0	33.3	41.6	75.5	208.3	214.6	182.0	63.1	38.9
4.02	193.4	206.4	167.5	55.2	34.8	29.3	27.9	28.3	27.7	30.6	37.6	67.3	196.4	208.8	169.6	56.2	35.3
3.02	113.1	115.4	101.3	43.4	31.1	27.2	26.2	26.6	26.0	28.3	33.0	50.3	115.7	117.4	103.1	44.3	31.5
2.02	33.9	26.4	35.9	31.6	27.4	25.1	24.5	24.8	24.3	25.9	28.4	33.4	36.3	28.2	37.6	32.4	27.7

Surface Illuminance

Calculation Grid

	10.89	9.89	8.89	7.89	6.89	5.89	4.89	3.89	2.89	1.89
9.02	35.7	33.0	32.3	32.9	35.2	44.7	78.7	210.0	214.2	182.3
8.02	35.1	32.4	31.8	32.4	34.7	44.0	77.9	208.6	213.5	181.1
7.02	34.4	31.8	31.2	31.8	34.0	43.2	76.7	202.3	201.3	176.4
6.02	33.9	31.5	30.9	31.4	33.6	42.6	76.4	207.4	212.8	179.8
5.02	32.6	30.4	29.8	30.3	32.3	40.8	74.1	206.1	212.0	178.1
4.02	30.0	28.2	27.7	27.9	29.7	36.9	66.0	194.5	206.5	166.1
3.02	27.9	26.4	26.0	26.3	27.4	32.3	49.2	114.0	115.5	100.0
2.02	25.6	24.6	24.4	24.5	25.2	27.9	32.5	34.8	26.6	34.7

Surface Illuminance

Calculation Grid Summary

Grid Name: Surface 1 : Grid 1
Grid Type: Surface Illuminance
Grid Units: Footcandles

Grid Origin: (1.50, 1.50)
Grid Orient:
Grid Elev.: 2.50

Grid Surface: Complex #6
Grid Hinge: 0
Grid Azimuth: 0

Statistical Area Summary

Stat. Area	Ave	Max	Min	Ave/Min	Max/Min	Std. Dev.
Surface 1 : Grid 1	60.2	82.5	35.0	1.7	2.4	12.0

Calculation Grid

	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50	13.50	14.50	15.50	16.50	17.50
28.50	36.5	38.6	39.9	39.1	37.8	36.5	35.5	35.0	35.4	35.9	37.4	38.8	40.4	41.9	41.9	40.4	38.8
27.50	42.2	45.0	46.6	45.5	43.5	41.4	39.8	39.1	39.4	40.3	42.3	44.4	46.8	48.8	48.8	46.8	44.4
26.50	48.3	51.9	53.7	52.0	49.2	46.2	44.0	42.9	43.2	44.4	47.1	50.0	53.2	55.8	55.8	53.2	50.0
25.50	53.1	57.2	59.2	57.1	53.6	49.9	47.3	46.0	46.2	47.7	50.9	54.4	58.3	61.4	61.3	58.3	54.4
24.50	57.4	61.9	64.2	61.7	57.7	53.4	50.4	48.9	49.1	50.8	54.4	58.4	62.9	66.4	66.4	62.9	58.4
23.50	61.0	65.9	68.3	65.5	61.1	56.5	53.1	51.4	51.7	53.5	57.4	61.9	66.7	70.5	70.5	66.7	61.9
22.50	64.0	69.2	71.7	68.8	64.2	59.2	55.6	53.9	54.1	56.1	60.2	64.9	70.1	74.0	74.0	70.1	64.9
21.50	66.2	71.6	74.2	71.2	66.4	61.2	57.5	55.7	56.0	58.0	62.3	67.1	72.5	76.5	76.5	72.4	67.1
20.50	68.0	73.4	76.0	72.9	68.1	62.9	59.1	57.2	57.5	59.6	63.9	68.9	74.2	78.4	78.4	74.2	68.8
19.50	68.8	74.3	77.0	74.0	69.1	63.8	60.0	58.1	58.4	60.5	64.9	69.9	75.4	79.5	79.5	75.4	69.9
18.50	69.5	75.1	77.8	74.8	69.9	64.6	60.8	58.9	59.2	61.3	65.7	70.7	76.2	80.4	80.4	76.2	70.7
17.50	69.9	75.5	78.2	75.2	70.3	65.0	61.2	59.2	59.6	61.7	66.1	71.1	76.6	80.8	80.8	76.6	71.1
16.50	70.1	75.7	78.5	75.5	70.6	65.3	61.5	59.6	59.9	62.1	66.5	71.5	77.0	81.2	81.2	77.0	71.5
15.50	71.3	77.0	79.8	76.8	71.8	66.4	62.5	60.6	60.9	63.1	67.6	72.6	78.2	82.5	82.5	78.2	72.6
14.50	71.3	77.1	79.8	76.8	71.8	66.4	62.5	60.6	60.9	63.1	67.6	72.7	78.2	82.5	82.5	78.2	72.6
13.50	70.1	75.7	78.5	75.5	70.6	65.3	61.5	59.6	59.9	62.1	66.5	71.5	77.0	81.2	81.2	77.0	71.5
12.50	69.9	75.5	78.2	75.2	70.3	65.0	61.2	59.2	59.6	61.7	66.1	71.1	76.6	80.8	80.8	76.6	71.1
11.50	69.5	75.1	77.8	74.8	69.9	64.6	60.8	58.9	59.2	61.3	65.7	70.7	76.2	80.4	80.4	76.2	70.7
10.50	68.8	74.3	77.0	74.0	69.1	63.8	60.0	58.1	58.4	60.5	64.9	69.9	75.4	79.5	79.5	75.4	69.9

Surface Illuminance

	18.50	19.50	20.50	21.50	22.50	23.50	24.50	25.50	26.50	27.50	28.50
28.50	37.4	35.9	35.4	35.0	35.5	36.5	37.8	39.1	39.9	38.6	36.5
27.50	42.3	40.3	39.4	39.1	39.8	41.4	43.5	45.5	46.7	45.1	42.2
26.50	47.1	44.4	43.2	42.9	44.0	46.2	49.2	52.0	53.7	51.9	48.3
25.50	50.8	47.7	46.2	46.0	47.3	49.9	53.7	57.1	59.3	57.2	53.2
24.50	54.4	50.8	49.1	48.9	50.4	53.4	57.7	61.7	64.2	62.0	57.4
23.50	57.4	53.5	51.7	51.4	53.1	56.5	61.2	65.6	68.3	66.0	61.1
22.50	60.2	56.1	54.1	53.9	55.6	59.2	64.2	68.8	71.8	69.3	64.1
21.50	62.3	58.0	56.0	55.7	57.5	61.2	66.4	71.2	74.2	71.6	66.3
20.50	63.9	59.6	57.5	57.2	59.1	62.9	68.1	73.0	76.0	73.4	68.0
19.50	64.9	60.5	58.4	58.1	60.0	63.8	69.1	74.0	77.1	74.4	68.8
18.50	65.7	61.3	59.2	58.9	60.8	64.6	69.9	74.8	77.8	75.1	69.6
17.50	66.1	61.7	59.6	59.3	61.2	65.0	70.3	75.2	78.2	75.5	70.0
16.50	66.5	62.1	59.9	59.6	61.5	65.3	70.6	75.5	78.5	75.8	70.2
15.50	67.6	63.1	60.9	60.6	62.6	66.4	71.8	76.8	79.9	77.1	71.3
14.50	67.6	63.1	60.9	60.6	62.6	66.4	71.8	76.8	79.9	77.1	71.3
13.50	66.5	62.1	59.9	59.6	61.5	65.3	70.6	75.5	78.5	75.8	70.2
12.50	66.1	61.7	59.6	59.3	61.2	65.0	70.3	75.2	78.2	75.5	70.0
11.50	65.7	61.3	59.2	58.9	60.8	64.6	69.9	74.8	77.8	75.1	69.6
10.50	64.9	60.5	58.4	58.1	60.0	63.8	69.1	74.0	77.1	74.4	68.8

Surface Illuminance

	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50	12.50	13.50	14.50	15.50	16.50	17.50
9.50	68.0	73.4	76.0	72.9	68.1	62.9	59.1	57.2	57.5	59.6	63.9	68.9	74.3	78.4	78.4	74.2	68.8
8.50	66.2	71.6	74.2	71.2	66.4	61.2	57.5	55.7	56.0	58.0	62.3	67.1	72.5	76.5	76.5	72.5	67.1
7.50	64.0	69.2	71.7	68.8	64.2	59.2	55.6	53.9	54.1	56.1	60.2	64.9	70.1	74.0	74.0	70.1	64.9
6.50	61.0	65.9	68.3	65.5	61.1	56.5	53.1	51.4	51.7	53.5	57.4	61.9	66.7	70.5	70.5·	66.7	61.9
5.50	57.4	61.9	64.2	61.7	57.7	53.4	50.4	48.9	49.1	50.8	54.4	58.4	62.9	66.4	66.4	62.9	58.4
4.50	53.1	57.2	59.2	57.1	53.6	49.9	47.3	46.0	46.2	47.7	50.9	54.4	58.3	61.4	61.4	58.3	54.4
3.50	48.3	51.9	53.7	52.0	49.2	46.2	44.0	43.0	43.2	44.5	47.1	50.0	53.2	55.8	55.8	53.2	50.0
2.50	42.2	45.0	46.6	45.5	43.5	41.4	39.8	39.1	39.4	40.3	42.3	44.4	46.8	48.8	48.8	46.8	44.4
1.50	36.5	38.6	39.8	39.1	37.8	36.5	35.5	35.0	35.4	36.0	37.4	38.8	40.4	41.9	41.9	40.4	38.8

Surface Illuminance

	18.50	19.50	20.50	21.50	22.50	23.50	24.50	25.50	26.50	27.50	28.50
9.50	63.9	59.6	57.5	57.2	59.1	62.9	68.1	73.0	76.0	73.4	68.0
8.50	62.3	58.0	56.0	55.7	57.6	61.3	66.4	71.2	74.2	71.6	66.3
7.50	60.2	56.1	54.1	53.9	55.6	59.2	64.2	68.9	71.8	69.3	64.1
6.50	57.4	53.5	51.7	51.4	53.1	56.5	61.2	65.6	68.3	66.0	61.1
5.50	54.4	50.8	49.1	48.9	50.4	53.4	57.7	61.7	64.2	62.0	57.4
4.50	50.9	47.7	46.2	46.0	47.3	49.9	53.7	57.1	59.3	57.2	53.2
3.50	47.1	44.5	43.2	43.0	44.0	46.2	49.2	52.0	53.7	51.9	48.3
2.50	42.3	40.3	39.4	39.1	39.9	41.4	43.5	45.5	46.7	45.1	42.2
1.50	37.4	36.0	35.4	35.0	35.5	36.5	37.8	39.1	39.8	38.6	36.5

Surface Illuminance

Calculation Grid Summary

Grid Name: Ceiling Surfcae Grid	Grid Origin: (25.00, 1.52)	Grid Surface: Ceiling
Grid Type: Surface Illuminance	Grid Orient:	Grid Hinge: 0
Grid Units: Footcandles	Grid Elev.: 8.00	Grid Azimuth: 0

Statistical Area Summary

Stat. Area	Ave	Max	Min	Ave/Min	Max/Min	Std. Dev.
Ceiling Surfcae Grid	87.6	236.1	26.4	3.3	8.9	71.0

Calculation Grid

	24.50	23.50	22.50	21.50	20.50	19.50	18.50	17.50	16.50	15.50
28.02	31.0	35.3	30.6	27.3	26.5	26.7	27.8	31.0	36.3	32.7
27.02	115.9	67.4	37.3	30.1	28.5	28.7	30.7	37.8	68.6	117.8
26.02	219.2	102.6	44.4	33.1	30.7	31.0	33.8	44.9	104.1	221.3
25.02	228.3	113.7	49.5	36.1	33.1	33.5	36.9	50.1	115.4	230.7
24.02	229.7	116.3	52.0	37.9	34.7	35.0	38.8	52.6	118.1	232.1
23.02	220.3	115.7	52.8	38.5	35.2	35.6	39.4	53.4	117.6	222.9
22.02	230.5	117.8	53.7	39.3	35.9	36.3	40.2	54.4	119.7	233.2
21.02	231.7	118.9	54.5	39.9	36.5	36.9	40.9	55.1	120.8	234.4
20.02	231.6	119.0	55.0	40.5	37.1	37.5	41.5	55.8	121.0	234.4
19.02	222.0	117.7	55.1	40.6	37.2	37.7	41.6	55.8	119.8	224.8
18.02	231.4	118.9	55.1	40.6	37.2	37.6	41.6	55.9	121.0	234.3
17.02	233.2	120.5	56.3	41.7	38.3	38.7	42.7	57.1	122.6	236.1
16.02	231.9	119.4	55.6	41.0	37.6	38.0	42.0	56.3	121.5	234.8
15.02	222.3	118.0	55.5	41.0	37.6	38.0	42.0	56.2	120.1	225.1
14.02	231.8	119.3	55.6	41.0	37.6	38.0	42.0	56.3	121.4	234.7
13.02	232.6	119.9	55.7	41.1	37.7	38.1	42.1	56.4	122.0	235.5
12.02	232.0	119.4	55.6	41.0	37.6	38.1	42.1	56.4	121.5	234.9
11.02	221.4	117.1	54.4	40.0	36.6	37.0	40.9	55.1	119.1	224.1
10.02	231.5	118.9	55.0	40.5	37.1	37.6	41.5	55.8	121.0	234.3

Surface Illuminance

Calculation Grid

	24.50	23.50	22.50	21.50	20.50	19.50	18.50	17.50	16.50	15.50
9.02	231.7	118.9	54.5	39.9	36.6	37.0	40.9	55.2	120.9	234.5
8.02	230.6	117.9	53.8	39.3	35.9	36.3	40.2	54.4	119.8	233.3
7.02	220.4	115.8	52.8	38.5	35.2	35.6	39.4	53.4	117.6	222.9
6.02	229.6	116.3	52.0	37.9	34.7	35.1	38.8	52.6	118.1	232.1
5.02	228.6	114.1	49.8	36.3	33.3	33.7	37.1	50.4	115.7	230.9
4.02	220.0	103.3	44.6	33.1	30.7	31.0	33.9	45.1	104.8	222.0
3.02	124.8	69.2	37.6	30.1	28.6	28.8	30.8	38.1	70.5	126.7
2.02	31.5	35.8	30.6	27.2	26.4	26.5	27.7	31.0	36.8	33.2

Surface Illuminance

Calculation Grid Summary

Grid Name: Ceiling Surfcae Grid
Grid Type: Surface Illuminance
Grid Units: Footcandles

Grid Origin: (27.00, 1.52)
Grid Orient:
Grid Elev.: 8.00

Grid Surface: Ceiling
Grid Hinge: 0
Grid Azimuth: 0

Statistical Area Summary

Stat. Area	Ave	Max	Min	Ave/Min	Max/Min	Std. Dev.
Ceiling Surfcae Grid	76.7	234.8	24.1	3.2	9.7	68.2

Calculation Grid

	26.50	25.50	24.50	23.50	22.50	21.50	20.50	19.50	18.50	17.50	16.50	15.50
28.02	30.0	34.4	29.2	26.0	25.1	24.3	24.6	25.3	26.8	30.1	35.5	31.9
27.02	114.7	66.4	35.8	28.6	26.9	25.8	26.1	27.2	29.5	36.8	67.8	117.0
26.02	217.8	101.5	42.7	31.4	28.9	27.4	27.8	29.2	32.5	43.8	103.1	220.3
25.02	226.7	112.5	47.6	34.1	31.1	29.3	29.8	31.4	35.3	48.8	114.3	229.6
24.02	228.0	115.1	50.0	35.8	32.5	30.6	31.0	32.8	37.0	51.2	116.9	231.0
23.02	218.7	114.3	50.6	36.3	32.9	30.8	31.3	33.1	37.6	51.9	116.4	221.7
22.02	228.8	116.4	51.5	37.1	33.5	31.4	31.9	33.8	38.4	52.9	118.4	231.9
21.02	230.0	117.4	52.2	37.6	34.1	31.9	32.4	34.4	39.0	53.6	119.5	233.2
20.02	229.7	117.5	52.7	38.2	34.6	32.5	32.9	34.9	39.6	54.2	119.7	233.1
19.02	220.2	116.2	52.8	38.3	34.7	32.5	33.0	35.0	39.7	54.2	118.4	223.5
18.02	229.6	117.4	52.8	38.2	34.6	32.5	33.0	35.0	39.6	54.3	119.7	233.0
17.02	231.3	119.0	53.9	39.3	35.7	33.5	34.0	36.0	40.7	55.4	121.2	234.8
16.02	230.0	117.8	53.2	38.6	35.0	32.8	33.3	35.3	40.0	54.7	120.1	233.5
15.02	220.3	116.5	53.1	38.6	35.0	32.8	33.3	35.3	40.0	54.6	118.8	223.8
14.02	230.0	117.8	53.2	38.6	35.0	32.8	33.3	35.3	40.0	54.7	120.0	233.4
13.02	230.7	118.4	53.3	38.7	35.1	32.9	33.4	35.4	40.1	54.8	120.6	234.2
12.02	230.1	117.9	53.2	38.7	35.1	32.9	33.4	35.4	40.1	54.7	120.1	233.5
11.02	219.7	115.7	52.2	37.7	34.1	31.9	32.4	34.4	39.0	53.6	117.8	222.8
10.02	229.6	117.4	52.7	38.2	34.6	32.5	33.0	34.9	39.6	54.2	119.6	233.0

Surface Illuminance

Calculation Grid

	26.50	25.50	24.50	23.50	22.50	21.50	20.50	19.50	18.50	17.50	16.50	15.50
9.02	230.0	117.5	52.2	37.7	34.1	32.0	32.4	34.4	39.0	53.6	119.6	233.2
8.02	228.9	116.4	51.5	37.1	33.6	31.5	31.9	33.8	38.4	52.9	118.5	232.0
7.02	218.7	114.4	50.7	36.4	32.9	30.9	31.3	33.2	37.6	52.0	116.4	221.8
6.02	227.9	115.0	50.0	35.8	32.5	30.6	31.0	32.8	37.1	51.3	116.9	230.9
5.02	227.0	112.8	47.9	34.4	31.3	29.5	29.9	31.6	35.5	49.1	114.6	229.9
4.02	218.6	102.2	42.9	31.4	28.9	27.4	27.8	29.2	32.5	44.0	103.8	221.1
3.02	123.6	68.2	36.0	28.7	27.0	25.8	26.2	27.2	29.6	37.1	69.6	125.8
2.02	30.5	34.9	29.2	25.9	25.0	24.1	24.5	25.2	26.7	30.2	36.0	32.5